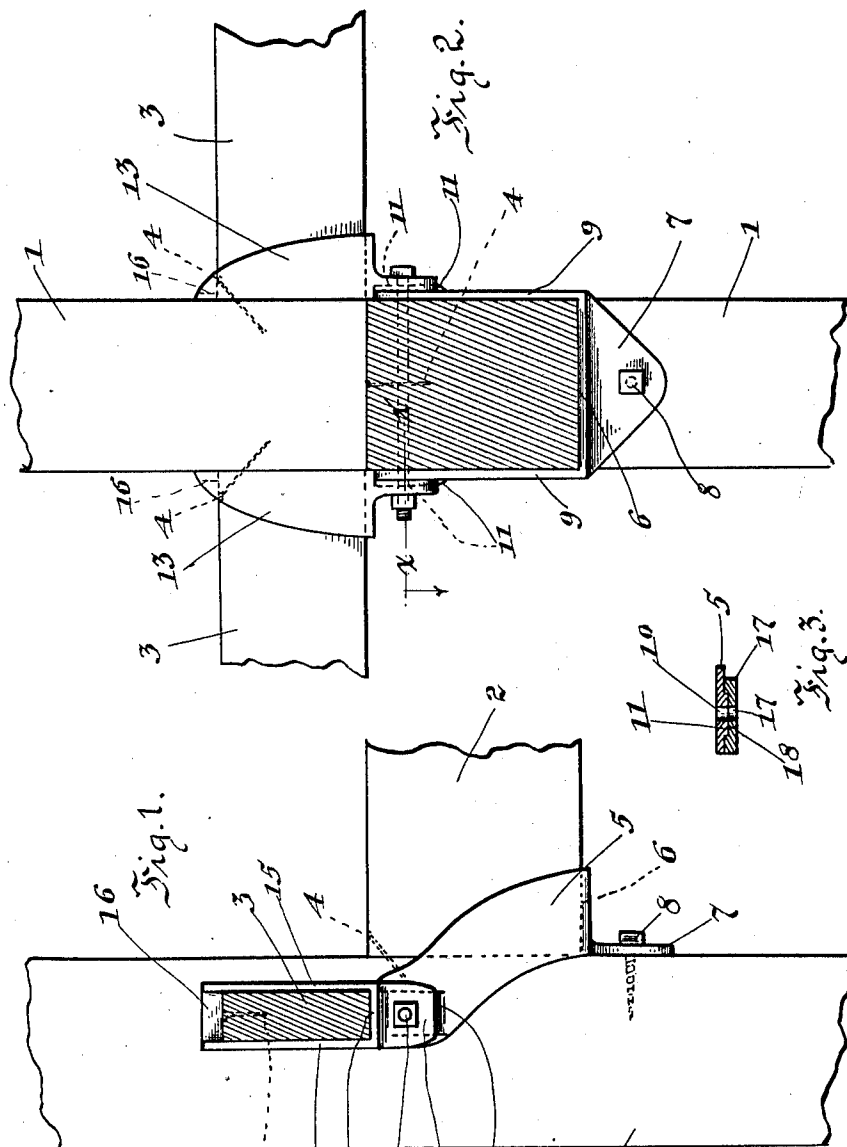


J. FREDRICKSON.  
 JOIST AND GIRDER HANGER.  
 APPLICATION FILED SEPT. 13, 1911.

1,019,778.

Patented Mar. 12, 1912.



Witnesses  
*W. L. Smith*  
*B. G. Richards*

Inventor  
*John Fredrickson*  
 by *Joshua K. H. Paine*  
 his Attorney

# UNITED STATES PATENT OFFICE.

JOHN FREDRICKSON, OF CHICAGO, ILLINOIS.

JOIST AND GIRDER HANGER.

1,019,778.

Specification of Letters Patent.

Patented Mar. 12, 1912.

Application filed September 13, 1911. Serial No. 649,187.

*To all whom it may concern:*

Be it known that I, JOHN FREDRICKSON, a citizen of the United States, residing at the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Joist and Girder Hangers, of which the following is a specification.

My invention relates to improvements in joist and girder hangers adapted for use in building construction, the object being to provide a simple and efficient formation of hanger parts whereby a maximum degree of strength with a minimum weight of metal is provided in the hanger.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed, in which.

The invention will be best understood by reference to the accompanying drawing.

Figure 1 is a side elevation of a joist and girder hanger embodying my invention, Fig. 2 is an end elevation of the hanger, and, Fig. 3 is a horizontal section taken on line  $x-x$  of Fig. 2.

The preferred form of construction as illustrated in the accompanying drawing comprises a post 1, a girder 2 and a pair of joists 3. These members are temporarily secured together by means of nails 4 as indicated by dotted lines in the several figures. The girder 2 is supported by means of a metallic hanger 5 having a flat seat 6 on which the end of the girder rests, as illustrated in Fig. 1. Depending from one edge of the seat 6 is a perforated lug 7 which may be secured to the post 1 by means of a lag screw 8 or any other well known securing device. A pair of arms 9 formed integral with the seat 6 project upwardly from the ends thereof in such a manner as to embrace opposite sides of the girder 2, this feature being clearly illustrated in Fig. 2. These arms are curved in such a manner as to project beyond the end of the girder 2 and to embrace opposite sides of the post 1. The free ends of the arms 5 are thus brought into a vertical plane which is offset from the plane of the seat 6 as will be apparent by reference to Fig. 1. Bolt-holes 10 are provided in the free ends of the arms 5, and the portions 11 of said free ends through which

said bolt-holes are passed are raised, as clearly drawn in Fig. 3.

From the construction thus far described it is evident that a rigid supporting means is provided for the girder 2, especially after an elongated bolt 12 is passed through the bolt holes 10. In order to support joists 3 a pair of substantially U-shaped metallic hangers 13 are provided. Each of these hangers is provided with a flat seat 14 on which a joist 3 rests and with side flanges 15 to prevent rocking of the joist. The upper ends of the flanges 15 are connected together by means of a tie-head 16 as clearly illustrated in Figs. 1 and 2. Depending from each seat 14 is a joint-lug 17 which is provided with a depressed portion 18 fitting over the raised portion 11 of each free end 5 as illustrated in Fig. 3. In this manner the joist hangers 13 are maintained in a vertical position after the locking bolt 12 has been positioned as shown in Fig. 2.

A joist and girder hanger as above set forth is useful in building construction and facilitates the connection of parts similar to those illustrated in the accompanying drawing.

While I have illustrated and described the preferred construction for carrying my invention into effect, the same is capable of variation or modification without departing from the spirit of the invention. I therefore do not wish to be limited to the exact details of construction set forth but desire to avail myself of such variations and modifications as fall within the scope of the appended claim.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

A metallic girder hanger comprising a flat elongated seat, a perforated lug projecting downward from one edge of said seat, arms disposed at right angles to said seat and projecting upwardly from the ends thereof, said arms having a compound curve such that the free ends thereof lie in a vertical plane offset from said seat, there being bolt-holes in said free ends, joist hangers adapted to be bolted to said free ends of said arms, each joist hanger comprising a seat and flanges extending up-

wardly therefrom, and a joint-lug extending  
downwardly from said last named seat and  
having a bolt-hole for registration with a  
bolt-hole in one of said free ends, there be-  
5 ing registering raised and depressed por-  
tions on said free ends and joint-lugs, sub-  
stantially as described.

In testimony whereof I have signed my  
name to this specification in the presence of  
two subscribing witnesses.

JOHN FREDRICKSON.

Witnesses:

HELEN F. LILLIS,  
JOSHUA R. H. POTTS.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."

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